

CLAIMS

We I claim:

1           1.     A method for providing data services to mobile devices in a system comprising a  
2 data network, at least one content server accessible via the data network, at least one gateway for  
3 accessing the data network, a mobile telephone network for communicating between the mobile  
4 devices and said at least one gateway, and a content converter connected to the data network, the  
5 method comprising:

6           uploading to the content converter and storing therewith indications of the characteristics  
7           of each terminal device;

8           routing content for a particular mobile terminal from said at least one content server to the  
9           content converter;

10          adjusting content for the particular mobile terminal in the content converter according to  
11          the stored characteristics of the mobile terminal; and

12          routing the adjusted content through the data network to said at least one gateway for  
13          forwarding to said particular mobile terminal.

1           2.     The method of claim 1 wherein the content is in wireless application protocol  
2 (WAP) format.

1           3.     The method of claim 1, wherein the data network is a wide-area network (WAN).

1           4.     The method of claim 3, wherein the WAN is the Internet.

1           5.       The method of claim 1, further including the step of uploading to the content  
2 converter and storing therewith indications of preferences of the user of each terminal device, and  
3 wherein the step of adjusting content is according to said stored preferences of the user.

1           6.       The method of claim 5, wherein content is adjusted in accordance with a  
2 preference currently entered by the user and stored.

1           7.       The method of claim 5, wherein content is adjusted in accordance with a  
2 preference previously stored and currently selected by the user.

1           8.       Apparatus for providing data services to mobile devices in a system comprising a  
2 data network, at least one content server accessible via the data network, at least one gateway for  
3 accessing the data network, a mobile telephone network for communicating between the mobile  
4 devices and said at least one gateway, and a content converter connected to the data network,  
5 the apparatus comprising:

6           a data store associated with the content converter for storing indications of the  
7           characteristics of each terminal device;

8           receiving means at the content converter for receiving content for a particular mobile  
9           terminal from said at least one content server;

10          logic for adjusting content for the particular mobile terminal in the content converter  
11          according to the stored characteristics of the mobile terminal; and

12          sending means for routing the adjusted content through the data network to said at least  
13          one gateway for forwarding to said particular mobile terminal.

1           9.     The apparatus of claim 8 wherein the content is in wireless application protocol  
2 (WAP) format.

1           10.    The apparatus of claim 9, wherein the data network is a wide-area network  
2 (WAN).

1           11.    The apparatus of claim 10, wherein the WAN is the Internet.

1           12.    The apparatus of claim 7, wherein the data store further stores indications of  
2 preferences of the user of each terminal device, and wherein the logic adjusts content in  
3 accordance with stored preferences of the user.

1           13.    The apparatus of claim 12, wherein the logic adjusts content in accordance with a  
2 preference currently entered by the user and stored.

1           14.    The apparatus of claim 12, wherein the logic adjusts content in accordance with a  
2 preference previously stored and currently selected by the user.